

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 9, 2000, 11:29:01 : Search time 82.89 Seconds

(without alignments)
6727.296 Million cell updates/sec

Title: US-09-117-447-1

Perfect score: 3687
Sequence: 1 atgataagaaagcgtc.....ttacattctataagaa 3687

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 262060 seqs, 75620496 residues

Total number of hits satisfying chosen parameters: 524120

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents_NA:
1: /cgn2_6/prodata/1/lna/5A.COMB.seq.*
2: /cgn2_6/prodata/1/lna/5B.COMB.seq.*
3: /cgn2_6/prodata/1/lna/5C.COMB.seq.*
4: /cgn2_6/prodata/1/lna/5D.COMB.seq.*
5: /cgn2_6/prodata/1/lna/6.COMB.seq.*
6: /cgn2_6/prodata/1/lna/PCTUS.COMB.seq.*
7: /cgn2_6/prodata/1/lna/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	56.8	1.8	4248	5 US-08-678-614-1	Sequence 1, Appl
2	53.4	1.4	7218	1 US-08-232-463-14	Sequence 14, Appl
3	51	1.4	2241	3 US-08-785-431-3	Sequence 3, Appl
4	51	1.4	2367	3 US-08-785-431-1	Sequence 3, Appl
5	49.8	1.4	5738	1 US-08-409-993-3	Sequence 3, Appl
6	49.8	1.4	5738	5 US-08-885-467-3	Sequence 3, Appl
7	48.8	1.4	2223	2 US-08-257-073-4	Sequence 4, Appl
8	47.4	1.8	3095	7 5231168-1	Patent No. 5231168
9	46.6	1.8	4766	6 PCT-US93-07261-10	Sequence 10, Appl
10	45.2	1.2	921	4 US-08-795-475-2	Sequence 2, Appl
11	45.2	1.2	1308	4 US-08-928-361B-2	Sequence 4, Appl
12	45.2	1.2	5511	5 US-08-928-361B-1	Sequence 1, Appl
13	45.2	1.2	7334	5 US-08-597-236-1	Sequence 1, Appl
14	44.6	1.2	14602	2 US-08-746-682A-1	Sequence 1, Appl
15	44.6	1.2	14602	2 US-07-772-087-1	Sequence 1, Appl
16	44.4	1.2	1867	1 US-08-669-408B-9	Sequence 9, Appl
17	43.6	1.2	1855	5 US-08-682-517-8	Sequence 8, Appl
18	43.2	1.2	4197	3 US-08-487-826B-13	Sequence 13, Appl
19	43.2	1.2	19124	4 US-08-094-128A-24	Sequence 24, Appl
20	42.4	1.1	372	1 US-08-455-992-24	Sequence 24, Appl
21	42.4	1.1	372	1 US-08-455-992-24	Sequence 24, Appl
22	42.4	1.1	372	1 US-08-455-992-24	Sequence 24, Appl
23	42.4	1.1	372	1 US-08-455-992-24	Sequence 24, Appl
24	42.4	1.1	372	1 US-08-455-992-24	Sequence 24, Appl
25	42.4	1.1	372	6 PCT-US92-00652-24	Sequence 14, Appl
26	42.4	1.1	4977	1 US-08-450-246-17	Sequence 17, Appl

ALIGNMENTS

27	42.4	1.1	4977	1 US-08-450-246-14	Sequence 14, Appl
28	42.4	1.1	4977	1 US-08-450-098-14	Sequence 14, Appl
29	42.4	1.1	4977	2 US-08-451-233-14	Sequence 14, Appl
30	42.4	1.1	4977	2 US-08-450-233-14	Sequence 14, Appl
31	42.4	1.1	7904	1 US-08-316-239B-1	Sequence 1, Appl
32	42.4	1.1	7904	1 US-08-316-239B-2	Sequence 1, Appl
33	42.4	1.1	7904	1 US-08-410-005-1	Sequence 1, Appl
34	42.4	1.1	7904	5 US-08-929-140-1	Sequence 1, Appl
35	41.8	1.1	1498	1 US-07-965-668A-1	Sequence 1, Appl
36	41.8	1.1	1498	3 US-08-950-433-1	Sequence 1, Appl
37	41.8	1.1	1498	5 US-09-186-287-1	Sequence 1, Appl
38	41.8	1.1	3666	3 US-08-682-517-13	Sequence 13, Appl
39	41.8	1.1	3666	3 US-08-682-517-14	Sequence 13, Appl
40	41	1.1	6201	4 US-08-790-912-1	Sequence 1, Appl
41	40.8	1.1	3337	1 US-08-072-610-1	Sequence 1, Appl
42	40.8	1.1	3337	3 US-08-719-822B-1	Sequence 1, Appl
43	40.8	1.1	4977	1 US-08-450-237-17	Sequence 17, Appl
44	40.8	1.1	4977	1 US-08-450-246-17	Sequence 17, Appl
45	40.8	1.1	4977	1 US-08-450-098-17	Sequence 17, Appl

RESULT 1
US-08-678-614-1
Sequence 1, Application US/08678614
Patent No. 6013507
GENERAL INFORMATION:
APPLICANT: Tomasz, Alexander
TITLE OF INVENTION: Delencastre, Herminia
TITLE OF INVENTION: METICILLIN RESISTANT BACTERIA AND ANTAGONISTS THEREOF
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/678,614
FILING DATE: 10-JUL-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-139
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4248 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
BY/OTHER INFORMATION:
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Staphylococcus aureus
STRAIN: ROSA 266
FEATURE:
NAME/KEY: ORF
LOCATION: 154..1410

```

;      FEATURE:
;      NAME/KEY:      ORF
;      LOCATION:      1497..3500
;
US-08-678-614-1

```

Query Match	1.5%;	Score 56.8;	DB 5;	Length 4248;
Best Local Similarity	41.6%;	Pred. No. 0.00024;		
Matches 697;	Conservative 0;	Mismatches 942;	Indels 35;	Gaps 4

OY	52	agtcacattctgcgtgaataatccaaacgcgtcttgcgaagcggtcagatgtaacacagta	111
Db	2544	AATGCACCTAAAGTTTCTGGTTGTTAAAGCAATTGAGCGACACACGACGTGCACAAATTTA	2603
OY	112	gttagccgaagcaaaagcagacagttccaaaagacatactactactaagcgcatacgaacg	171
Db	2604	GAAAGAGTTTAAATAACGAGAGAAATCTCAAAATTTGAAATATTACTGACTCTCGCAAAA	2663
OY	172	gaaactcgttgaaatcccaaacataacgcgtgataatgctgaatataacaaagcggaaaaa	231
Db	2664	AAAATGATGCTT-----TTAATGAGTTTAAACAAGCTGCACACACTGAGAAA	2711
OY	232	cgataccgtatccggtgacatttagtgatataagcagctggcggcaaaaaagcgttcc	291
Db	2712	GCTAAATGCTACAGTTTCAATTCACAAATGAGAAAGTGCAGAAAGCTGATGACCA	2771
OY	292	ttagctgatttacaataaagatatgaacttcggtttccaagcaaaccttaactgtgc	351
Db	2772	GTAGATGCACCTCAAAAGCAGGTTTACATGACATCCAGTTGTTTAAATCAAAACAGGA	2831
OY	352	gaagctcgtgtgagcaacttccatcgatgcttacaactatgacacaaatttgagaaatg	411
Db	2832	GTTCCTATACAAAATCAAAAGTTTATGATTAATTAATTAATGCAATTCACAAACAACAAA	2891
OY	412	cgcgaagcttagagcgctgtgttttcgaacaaagatttgaaaaagcagcaactatcat	471
Db	2892	GTTAAACCTGCAGCTGATTACGGAAAGTAAAGAAAGCATTAATACACGTAAACAATAAT	2951
OY	472	cacaaatccctatgaaataaactcgcacagtcattttagatcggtatatytaa	531
Db	2952	CAAAATGCAATGCTTCAACTACACAGAAACAAACAGCTGCATATACGAATTAATACT	3011
OY	532	acaaactcgtgatttactctgctcaatttaagaacaaagcacaagaacttcggacgcg	591
Db	3012	AAAAGGACAAAGCAAGAACAAATCTTGATGCTGCAAATTAACAACAGTGATTAACAACA	3071
OY	592	ttaattatgatatattacgcttgcattgaagaagcgcgaagtacaagcgtgtgaagca	651
Db	3072	GCTAAAGCAATAGTATTGCTGCAATTAAACAAGTTCAGAGCGCCACAACTAAGAAATCG	3131
OY	652	ggcaatttagacaagatcaagctgtcgttgtatcaaatcaatcaatcaacttaccaaagta	711
Db	3132	G---ATGCAAAAGGGGAAATCGCTCAAAAAGCAAGTGAAGTAAACAGCAATTGAACCA	3188
OY	712	acagatgctttcaaaactgatacacaagaagtagcgaaaaaagcattgtagcagatgaa	771
Db	3189	ATGATATATTCGACTACTGTGAACACACACAGCGCAAAAGCAAAAGTGATTCACACGTA	3248
OY	772	gcctgcgttactcccaaaagtgtgaagctgtgaagcgtattacacatcaaaaacaaagctgt	831
Db	3249	GTTTCTGCAAAAGCTGATTATAGTAATTCCTGCACGCAACCAATGATGTGATATACAAA	3308
OY	832	gaattacaacagatcacagctgtgaacgggaacataaataataactt-----cagctgtcg	886
Db	3309	CTACAAATGAAAGCTACAGATGCGAGCCATTACACTGATGCCAATATGTTAAACGACGACA	3368
OY	887	caaatgaagtacagtaaacgttaataactcgtttacgtatctataaagltgacggttaacatc	946
Db	3369	AACAGCAATTCGAGATTAAGTACAAAGCTTCACAAACACCAATTCGTGCAATTAACGGCT	3428
OY	947	caattgccttaataagcggaagtgtttcttatactacacgaacgaaaaactatcacgtgg	1006
Db	3429	CACACACTGAGAAAGAAAGCAAGCTGCTTAACACACAACTTCAAACTGAAAAACACAGCTG	3488

QY	1007	atgcttcacatccatctgcgaataataatggaataataagtagttaaagttaaagttaaag	1065
Db	3489	ATGCCGGAATAGATGCAAGCAATACCAATATGCGGAAGTTGAACGGCTTAAAAACGACGA	3548
QY	1067	acaaataatgcaagaatttaaagaagatgcatctcccttcaagcttcgaaatgatgcgtg	1126
Db	3549	TTCTTAATAATGGAAGCGATATCAACCCAGCAACAACTTAAGTATNTCGAAGAGCGAA	3608
QY	1127	taagtactaaagtggtttggaactaaagtacaa-----acaaactcttg	1171
Db	3609	TTGCTAGAAAAGCGAATGAACGTAAACGCAATGCGTCAAAACGCAAAACCTTACTGCTG	3668
QY	1172	taaaacttagcagcaggtactcttcgaacactgcagatactttaaacsagtagtattgataagt	1231
Db	3669	AAGAAATTGGCAGCGCGTTAATGCGGACGTGAGTAATGCTGTGCACAAACAAATGACACA	3728
QY	1232	tgttagcaactcgtaaactcgttaaagaagctgaagaagttcactcttcaaatgttgaacctgaa	1291
Db	3729	TTCAAGTGGTAAATAGTACAAATAGATGTAGACCAAGCGAAACGACAAGTGAATAATGTA	3789
QY	1292	aagcattccagtaattgcctcactcttcgtcttacaatactacttaagctttaaagaag	1351
Db	3789	TTGATGCAAGTAACACCAACAGTTAATAAAAAAGCAACGCAACGTATGTAATTCACAGCA	3848
QY	1352	cgttagtaactcgttgaacaataataaacttgcattcataataatgtttaaacaattaaactggtc	1411
Db	3849	TTTTAAATTAACAATATGCAAGATATTCAGAGTTCAGCGCAATGCCAATGCAATGAAAGAAAC	3908
QY	1412	acaaatgagaagacttcacagtagtagtgcactgcgaacgcacacagactcttgctta	1471
Db	3909	AAGAGCTGATGCTGAAGCAAAATACGAAATATGTAATGAAGCAATCAACCATTTTCAGAG	3968
QY	1472	ccgctctactacttaggtggtgatacaactttactactggtctcttaacaacaagtgtt	1531
Db	3969	CAATCTACTACGCACAGTGTGATGAAGCTTAAGCAAAATGCACAAACGACGATTTATGCGG	4028
QY	1532	ggggttaattcgtctgtgtgtgtaagtgaagctggaactattatccgtgtctcaattca	1591
Db	4029	TAAACCAAAAGTTGTGAAAGAAACAAAGCGGCTTAAAGATCAAAATTATCAATTACAAAGCA	4088
QY	1592	caacaacggtttgacthaaagttagaagaaactactcttagctgtataactcttgatagtg	1651
Db	4089	CGCAAAACAAATGTTATCAATAAATGATCAACAAGCTTCACACAAACAAAAAGAGAGCTTA	4148
QY	1652	aaaaaagatctgtaacggtgtgtgtgtccttgcgaactaaataataatgccaagctta	1705
Db	4149	TTTCAACATTTAGCAACGCGATTACAGACGCAAGCAAAATATATTTACACTGTGAA	4202

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

```

1  APPLICATION NUMBER:  US/08/232,463
2  FILING DATE:
3  CLASSIFICATION:  435
4  PRIOR APPLICATION DATA:
5  APPLICATION NUMBER:  US/07/935,313
6  FILING DATE:
7  APPLICATION NUMBER:  EP 91 114 300.6
8  FILING DATE:  26-AUG-1991
9  ATTORNEY/AGENT INFORMATION:
10 NAME:  BENT, Stephen A.
11 REGISTRATION NUMBER:  29,768
12 REFERENCE/DOCKET NUMBER:  304/72/114  INVTU
13 TELECOMMUNICATION INFORMATION:
14 TELEPHONE:  (703)836-8300
15 TELEFAX:  (703)683-4109
16 TELEX:  899149
17 INFORMATION FOR SEQ ID NO:  14:
18 SEQUENCE CHARACTERISTICS:
19     LENGTH:  7218 base pairs
20     TYPE:  nucleic acid
21     STRANDEDNESS:  single
22     TOPOLOGY:  linear
23     IMMEDIATE SOURCE:
24     CLONE:  pTZgpt-F15
25 US-08-232-463-14

```

```

Query Match      1.43; Score 53.4; DB 1; Length 7218;
Best Local Similarity 6.38; Pred. No. 0.0019;
Matches 27; Conservative 222; Mismatches 178; Indels 0; Gaps 0

```

OY	97	gatttaagcaacagtagttaaagccaaagaanaagcagtltcoaaaagcatatcatacttac	156
Dd	1439	GGTACRARR	13800
OY	157	agccatacgtlaacgcgaactggtgaaattcccacaattaacgatgtatatgcyuaatac	216
Dd	1379	RR	13200
OY	217	aacaaagcgaanaaacatcacgtatgtcgtaagcttagtgaataaagcaagttgscgg	276
Dd	1319	RR	12600
OY	277	aaaaaagcgctaactagctgaattacaaaagaatalgaactlacytlitcaagca	336
Dd	1259	RR	12000
OY	337	aaccctaatactgycgaagcgtcgttagcgaacttaccatcgatgctttacaactatgcaaca	396
Dd	1199	RR	11400
OY	397	aaattagcagaaatgccccaaagcctagaagcgtcgttccaagcaaaagattagaanaa	456
Dd	1139	RR	10800
OY	457	gcagaacaatactatcacaaaattccttatgaantaaactgcacagctcatltagat	516
Dd	1079	RRRRRRRRRRRRRRATCGCAGCTCCCTGCAGCTGCAAGCAACTGGAAATTAAATCTGTG	10200
OY	517	cgcgtat	523
Dd	1019	AGCGTAT	1013

RESULT 3
 US-08-785-431-3
 Sequence 3, Application US/08785431
 Patent No. 5891667
 GENERAL INFORMATION:
 APPLICANT: Chalder, Alison
 APPLICANT: Hodgson, John
 TITLE OF INVENTION: No. 5891667el Spoilite
 NUMBER OF SEQUENCES: 4

```

CORRESPONDENCE ADDRESS:
ADDRESS: Smithsonian Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEO for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,431
FILING DATE: 17-JAN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9600955.0
FILING DATE: 17-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gilmli, Edward R
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P31349
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
TELEX:

INFORMATION FOR SEQ. ID NO.: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2241 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA

```

Query Match	1.4%	Score 51	DB 3	Length 2241
Best Local Similarity	47.8%	Pred. No.	0.0044	
Matches 181	Conservative	0	Mismatches 195	Indels 3
				Gaps 1

QY	2195	atgaaataactcttagcaacacacatactatatacattacattcaactgaaggtcgaagcgttaa	2255
Db	701	ATGCAAGGAAATAGTTGGAAATPAAATGTGTAATATCAAGCAATATGACGACAAAGCAATTTAA	760
QY	2255	cagcaccacacoggtttacacaaagtcttcaaaagtgattctctttaaagacsgtgaagcatta	2314
Db	761	CAGACCAACATCATTAACAGAGTTGGAAGTGAAAAACCTTTTAAGAAGCTGGTGAAGTTA	820
QY	2315	ctacacttaagaaacyttgatgcagtcagtcacaaattcactatccaatltagcgaagaattaa	2374
Db	821	CGATGATATCTATGTGTGTTCACACTTAACTTACTTATCAACTGCACAAACAAAG	880
QY	2375	aaactttagtggtctcttttggtggtgcgcaagtaactgcagaaattaacaaacacagc	2433
Db	881	CAATCATTAAGCTGGAAGTTCACACGTAAAGACAACTACTAAGATTAATCAATTAAGATT	940
QY	2435	gatggcagatgctgctgactgcagacacagctgactcagttgctctctaagacagatgcacatg	2494
Db	941	TTGGGGTAAATGCA--AAAGTCACACAAATTAATTAATTTGGTCTTCGACGTAATCAATATG	997
QY	2495	gtaaagtaacagctgcgtgctgtgtatatacttaactgctcttgacaaataacgacaagaatgcga	2555
Db	998	AAATTCAACACAGCTCAAGGGATTAAAGTAGCTAAATTTCTAATCTGCATATGATATTG	1057
QY	2555	aattgctctgctgtagtaga	2573
Db	1058	CATTAGCTTTAGCAGCAAA	1076

RESULT 4
US-08-785-431-1
; Sequence 1, Application US/08785431


```

Oy 961 accgcagatcgttccttatctatcaagccgcaaaaactatcaacgtgtgagcttcaactcca 1020
Db 1897 GCTACGGTTACTTCCAAATGTGAAAACGGTAAACATACATTACCTTACTGTGGCTGAA 1956
Oy 1021 ttcgaaataataatcagcgagatataagtagtagtataaggaattataagacaanaatgycaa 1080
Db 1957 ACTAAACGGATGACGGGCTCTTGAAAAAAGATGGCGATACATATTAAAGCTCAAAAGTGATAT 2016
Oy 1081 gaatttaagaagatgatcattcaacttccaagcttcgaaatgatgctgtagttactcaatg 1140
Db 2017 CAATACCTATATGTTTAACTGTTGATATATATGATCTGCTGCTCACTAAAGTGCC 2076
Oy 1141 tttagaacatagttaacaaacaactcttcgttaacttagcgagcgagacttcgacact 1200
Db 2077 TTTTAAACTGTTTAAACTGGAGCGACTGATGCAGATCGCGTAAAGTAACTTAAAGAT 2136
Oy 1201 gacgatact 1209
Db 2137 GCTACTGCT 2145

RESULT 6
US-08-685-467-3
: Sequence 3, Application US/08685467
: Patent No. 6060059
GENERAL INFORMATION:
APPLICANT: St. Gene III, Joseph W.
APPLICANT: Barenkamp, Stephen J.
TITLE OF INVENTION: HAEMOPHILUS ADHESION PROTEINS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hombach, Test, Albritton & Helbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/685,467
FILING DATE: 22-JUL-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,995
FILING DATE: 24-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Silva, Rodin M.
REGISTRATION NUMBER: 38,304
REFERENCE/DOCKET NUMBER: A-61053-2/RPT/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TEXT: 910 277289
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5738 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-685-467-3

```

```

Query Match      1 43; Score 49.8; DB 5; Length 5738;
Best Local Similarity 45.28; Pred. No. 0.012;
Matches 275; Conservative 0; Matches 322; Indels 13; Gaps 2
QY 601 gatattacgttgcacatgaagcgccgggaagctacacgaagcgtgtgaagcagcgaattta 660
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

Db	1545	GGTACGACAGGTACATAACCAATCAGCGTAAACCAAGATGGCATTAAGCAGGTATATA	1508
Qy	651	gacaaagctaaagctgtctgtgtatcaaatcaatcaatcttaaccaaaagtacagatgct	720
Db	1609	GCTTTTCTATGTGTGGAGCTGGGTTAAAGGCTTATGAGGATGCAAAATT--TGATGTT	1665
Qy	721	ttcaaaactgaactaacagagagtagcgaaanaagacttagatgcagatgaagctgcgctt	780
Db	1666	TTAAATTAACCTCGCACTGTATTAAATACACGTTGAAAGATGCTTATTAAGGTTATA	1725
Qy	781	actccaagctgaagtgtaagtgtagtgatlaaacctcaaacaaagctgttgaaatca	840
Db	1726	AATCTAATGATAAAAAATGCA-----AATAAACAACGTTGTGATGACAGCACG	1776
Qy	841	gcagataccagatgaagcyaaacaactaaattacaacttcaagctgcgcgcgaatgaaatca	900
Db	1777	GCGGCGACTGTAGGCGATTACCTAATATTGGTTGGGTGAGTACACCAAAAACGTTACG	1839
Qy	901	gtaacgtaataactgcttagtactctataagtagcgagctaaatccattgccccttat	960
Db	1837	AAAGAAATAAGSCATCAAGTTAATACAAAGCTGATGAAGTCTCTTTACCGAGCCGGTCT	1895
Qy	961	acggcagatgtttctctatctacacagcgaaaacatcaactgtygaatgctcaactcca	1020
Db	1897	GCTACGGTTACTTCCAAATCTGAAAACGGTTAAACATACGATTACCGTTAGTGCTGAA	1956
Qy	1021	ttcgaaatatatcagagatlaaagtagtagtagttaaagttaaagttaaagaaatgycgaa	1080
Db	1957	ACTTAAGCGGATTTGCGGCTTTGAAAATAGATGGCGATACATTATTAACCTCAAAATGGATAT	2016
Qy	1081	gaatttaagaagatgcattcaactcttcaagcttcgaaatgaatgacgtgtagtctaactaag	1140
Db	2017	CAAAACACTATATATGTTTTAACTGTGTGAAATTAATGATACGTGCTGCTCAATAAAGTGC	2076
Qy	1141	tttggaactaatgtaacaacaacactcttcgtaaacttagaggaagaggtactctgaaact	1200
Db	2077	TTTGAACCTGTAAATCTGGAGCAGCTGATGCGAGATCCGCGTAAAGTAACTGTAAAGAT	2138
Qy	1201	gaacatact 1209	
Db	2137	GCTACTGCT 2145	

RESULT 7
US-08-257-073-4
Sequence 4, Application US/08257073
Patent No. 576597
GENERAL INFORMATION:
APPLICANT: Paolletti, Enzo
APPLICANT: de Taisne, Charles
APPLICANT: Tine, John A.
TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P. C.
STREET: 530 Fifth Avenue, 25th Floor
CITY: New York
STATE: New York
COUNTRY: UNITED STATES OF AMERICA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/257,073
FILING DATE: 09-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/075,783
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:

```

APPLICATION NUMBER: US 07/652,305
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/672,183
FILING DATE: 20-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2570
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
TELEX: 425086 CURTUS
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2223 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-257-073-4

```

```

Query Match      1.3% Score 48.8; DB 2; Length 2223;
Best Local Similarity 42.1%; Pred. No. 0.015;
Matches 543; Conservative 0; Mismatches 732; Indels 15; Gaps 4;

```

```

QY 558 attlaagcacaagcacaagaacttcgcgacgcttaattatgatatccgttgcacat 617
DB 534 ATTTAAGAAATTAATGAATCAAAAGCTACTCTTTGTTAATCCAAAATAAAT 593
QY 618 gaagcgcggaagctacagaacgtgtgaaagcagcgaatttagacaagctaaagctgc 677
DB 594 TATTTCTTTAAATTCACAAAGCTATAAAAGAAACCTCACAAATCAAAATGAAATAA 653
QY 678 tcttgatcaatcaatcaatcaatcccaaaagtaacagatgtcttcaaaactgaactaac 737
DB 654 CGCAATCAAAATATCAAAAGTTAATGATGAAGATGATGAATGATGAAGATGATGAC 713
QY 738 agaagtagcgaaaaagcattagatgcgaatgaaagctgcgcttaccacaaagttgaag 797
DB 714 AAACGATGACGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 773
QY 798 tctgaagtcgattacacacacacacacacacacacacacacacacacacacacacac 857
DB 774 TGACGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 833
QY 858 aacactaaattacacacttcgcgttcgcaaatgaaagatacagtaaacgttaaacgttc 917
DB 834 TGCTACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 893
QY 918 acgtatctataaagtgaacggttaacacattgccttcaatgaagcagatgtctcttc 977
DB 894 AATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 950
QY 978 actctacgaaggaagaactatcacctcgttgatgtcttcaatccacatcgaataacgga 1037
DB 951 AGGTGGATTTAGGAAGTATATATTTAATTAATTTCTTAATATCAAGTAAAGAAATAGAGA 1010
QY 1038 gtttaagtagttagtaaggtatttaagaacaaatgacgaagaatttaagaagtagtc 1097
DB 1011 AATTTTATTAACATTAACAAAGATGAACCTTGGAGATTAAGATTAATTTTGAAGCTTTTCC 1070
QY 1098 attcaact--ttcaagcttcgaatgcgcgttagttagttagttagttagttagttagt 1154
DB 1071 TTTAGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1130
QY 1155 aacaaacacacttcgttaacttagcagcaggttacttccgacacgtacgatacttaac 1214
DB 1131 TTGAAACAAAGTGTTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1190
QY 1215 agtagtattgataagt tgttagcaactgaaactgtaaaagctcgaagcttactattac 1274
DB 1191 ATATGATCAATTAAGAAAGAAAGAAAGCTCAAGAAAGAAAGATTTACCAAGAACTTACTGTTAC 1250

```

```

QY 1275 agatgtgaactcggaaacacgcatcccgtaattgcatctacttctgttctcaactaac 1334
DB 1251 TAATGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1309
QY 1335 tattaagttaaagaagcgttagttagttagttagttagttagttagttagttagttagt 1394
DB 1310 TATTTAGTAAAGTAAAGCTATTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1361
QY 1395 taataacatcaccggttaccatgacgaagcttaccggttagttagttagttagttagttag 1454
DB 1362 TAAGAAAGAAAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1421
QY 1455 agcacaactcgttgcacgcgttcctactacttagttagttagttagttagttagttagt 1514
DB 1422 AGCAACACCAAGCTCTTAGAGGTGTGACCAACGGAAGATTTAATTAATTAATTAATTA 1481
QY 1515 tcttcaacacaaagtgttggttaattggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1574
DB 1482 TAATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1541
QY 1575 tccctggtctcaattccacacacacgctttagttagttagttagttagttagttagttagt 1634
DB 1542 ACCTAATGTTGTTACCAACACCTCAATCAAAAAAATAAATAAATAAATAAATAAATAAATA 1603
QY 1635 taacttgtatctgtgaagaagaacatcgttagcagttgtgtgtgtgtgtgtgtgtgtgt 1694
DB 1602 TATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1661
QY 1695 tgcagacgcacaaatgttaactttagttagttagttagttagttagttagttagttagt 1754
DB 1662 TGAATAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1721
QY 1755 tcaatcaaatctaaagaagcgttgaagtcgaaagcgaatgaagttgaatgaagtcgttaa 1814
DB 1722 ACCAATTAAATTAAGAAATTTAGTGAACCAATTAATTAATTAATTAATTAATTAATTA 1781
QY 1815 cgaagaacacatcagtttcaaaactcaaga 1844
DB 1782 TAAATAACACATTTGAAGCTTTAATTAACAAACA 1811

```

```

RESULT 8
5231168-1
; Patent No. 5231168
; APPLICANT: DIEZEL, MORTEN; BORRE, MARTIN; JENSEN, SOREN;
; YUUST, JENS; RIENECK, KLAUS; WIND, ANNETTE; JAKOBSEN, PALLE H.
; TITLE OF INVENTION: MALARIA ANTIGEN
; NUMBER OF SEQUENCES: 19
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/409,658
; FILING DATE: 18-SEP-1989
; SEQ ID NO: 1
; LENGTH: 3095
5231168-1

```

```

Query Match      1.3% Score 47.4; DB 7; Length 3095;
Best Local Similarity 42.1%; Pred. No. 0.036;
Matches 270; Conservative 0; Mismatches 371; Indels 0; Gaps 0;

```

```

QY 417 agaagctagagcgtcgtgttcaagcnaaagattgaagaagaagcgaacacatcatcaca 476
DB 1269 agaggttgaaacaaattctaccagaagatgtaaaatgaaagaagttgaacatgaaatagt 1328
QY 477 aattccttgaataaataaactcgcacagtcattttagatcgcgtatagtgtaaaacaac 536
DB 1329 agaagttgaagaattcttaccagaagataaaatgaaagaagtcacacatgaaatagtaga 1388
QY 537 tctgtattactcgtcttcaatttaagaagaagaagcgaagaacttgcgacagcttaatt 596
DB 1389 gtttgaagaatctctaccagaagataaaatgaaagaagttgacacatgaatagtagaagt 1448

```

597 ttatgatattacccgttgcgaatgaagcgcgcgaagtaacaagcgtctgtaaaagcagcgaa 656
1449 tgaagaataatctaccagaagaataaaatgaataagctcaacatgaataatgtaggttga 1508
657 tttagcaaaagttaagctgcgtctgtatcaatcaatcaatctctccaaagttaacaga 716
1509 agaattctaccagaagaataaaatgaataagctcaacatgaataatgtagaagttgaaga 1568
717 tgcttcaaaaactgacacacagagtagcgaataaaagcattagatgcagatgaagctgc 776
1566 aattctaccagaagaataaaatgaataagctcaacatgaataatgtagaagttgaagaat 1628
777 gcttaccacaagttgaaagctgtaagctgtaattacactcaacaagaagctggttgact 836
1629 tctaccagaagaagaataaaatgaataagctcaacatgaataatgtagaagttgaagaat 1688
837 aacagcagtagcagtgaaacgcgaacetaaattacacattcaagctgcgtgcgaatgaaga 896
1689 tctaccagaagaataaaatgaataagctcaacatgaataatgtagaagttgaagaatct 1748
897 tacagtaacgtaataactgtaacgtctatctataaagtgcgaacgttaacattccattgcct 956
1749 accagaagaataaaatgaataagctcaacatgaataatgtagaagttgaagaatctctcc 1808
957 taatacgcgcagatgcttcttctatctacagaacgaataaactatcaactgtgtagcttcaac 1016
1809 agaattgttgaataatgaagaagctaccacacacacacacacacacacacacacacacacac 1868
1017 tccattcgaaataataacggagatatacgaatgtagttaaag 1057
1869 tataaacccagaagaataaaatgaataatgtagtgaag 1909

RESULT 9

PCT-US93-07261-10

Sequence 10, Application PC/TUS9307261

GENERAL INFORMATION:

TITLE OF INVENTION: PFEMP3 MALARIA ANTIGEN, ANALOGS, ANTIBODIES AND USES THEREOF

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: John H. C. Blasdale

STREET: One Giralda Farms

CITY: Madison

STATE: New Jersey

COUNTRY: USA

ZIP: 07940-1000

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Macintosh

OPERATING SYSTEM: Macintosh 6.0.5

SOFTWARE: Microsoft Word 5.1a

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/07261

FILING DATE: 19930805

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/327,531

FILING DATE: 07-AUG-1992

ATTORNEY/AGENT INFORMATION:

NAME: Blasdale, John H. C.

REGISTRATION NUMBER: 31,895

REFERENCE/DOCKET NUMBER: DX0288K

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-822-7398

TELEFAX: 201-822-7039

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 4766 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA to mRNA

ORIGINAL SOURCE:

ORGANISM: Plasmodium falciparum

STRAIN: Malayan Camp
IMMEDIATE SOURCE:
CLONE: p2bl.p12-1
FEATURE:
NAME/KEY: CDS
LOCATION: 3..4766
PCT-US93-07261-10

Query Match 13% Score 46.6; DB 6; Length 4766;
Best Local Similarity 42.6%; Pred. No. 0.065;
Matches 302; Conservative 0; Mismatches 404; Indels 3; Gaps 1;

180 tgaattcccaaacattaaagatgatatgctgaatacaacaagaacgaacgaacgcg 239
2573 TGATTAGCAAAAGGTAAGCAAGTAACTAATTAAGCAGCCGAAATCTGAAAGATATA 2632
240 tgaatgcgttagcaatgaatgaataagcaggtagcgcgaataaaagacgcttaactga 299
2633 TGAAACTGATTTAGCAAAAGGTAAGCAAGTAACTAATTAATTAAGCAGCCGAAATCTGAAAG 2692
300 ttacacaaagaatataaacttaactgatttcaagaacacccataatctgcggaagctgc 359
2693 ATATTAATGAAGTGAATTTAGCAAAAGGTAAGCAAGTAACTAATTAAGCAGCCGAAATCT 2752
360 tgaagaacttaacatgactgacttaacacatgcaacaataatgaacgaatgcgcgaaga 419
2753 AGAAGAAATATTAATGAAGTGAATTTAGCAAAAGGTAAGCAAGTAACTAATTAAGCAGCC 2812
420 gctagaagctgctgttcaagaacgaatattagaataaagaacgaacaaactatcaacaaat 479
2813 AATCTAGAAAGATATGAAGAAAGATATATGAAGAAATATGAAGTAACTAATTAAGTAAAG 2872
480 tecttaatgaatataaactcgcacagctcaatttagatgcgatatgtaaaacaaactgc 539
2873 AACTGATGATTAAGAAAGATATGAAGAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 2932
540 tgattactgcgtctacatttaagaacgaacgaacgaacgaacgaacgaacgaacgaacgaac 599
2933 TGATGATTAAGAAAGATATGAAGTGAATTTAGCAAAAGGTAAGCAAGTAACTAATTAAGCAG 2992
600 tgaatlaacgcttgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaat 659
2993 TCGATTAAGAAAGTAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 3049
660 agacaagaacttaagctgcgtgcgtgactcaatcaatcaatcaatcaatcaatcaatcaatcaat 719
3050 AGGATTAAGAAAGATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 3109
720 ttcaaaactgaaactaaacgaagtagcgaataaagaacgaatgaatgaatgaatgaatgaatgaat 779
3110 ATTAAAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 3169
780 taccacaaagtgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaat 839
3170 AAAAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 3229
840 agcagtagcagtagaagcgaac 888
3230 AGAAATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 3278

RESULT 10

US-08-795-475-2

Sequence 2, Application US/08795475

Patent No. 5965390

GENERAL INFORMATION:

APPLICANT: Bivick, Lars

TITLE OF INVENTION: PROTEIN L AND HYBRID PROTEINS THEREOF

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentia Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,475
FILING DATE: 11-FEB-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 921 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Escherichia coli LE392/PHDL, DSM 7054
US-08-795-475-2

Query Match 1.2%; Score 45.2; DB 4; Length 921;
Best Local Similarity 42.8%; Pred. No. 0.073;
Matches 285; Conservative 0; Mismatches 378; Indels 3; Gaps 1;

QY 628 gaagtaacagacgctgtgaagcagcgaatttagacaaagctaaagctgtgtgacaa 687
DB 19 GAAACACGAAACACACAGAACTGATTCAGAAAGAAAGTAACATCAAGCTAACCTA 78
QY 688 atcaatcaactactaccacaaagtaacagatgcttcaaaactgaactaacagaagtagcg 747
DB 79 ATCTTGCAAAATGGAAGCACACAACTGCAGATTCAAGAAACATTTGAAAAAGCAACA 138
QY 748 aaaaagcattagatgcagatgaagctgcgcttaaccacaaagctgaagtgtaagtcg 807
DB 139 TCGAAGGCTTATGCGATGACGACTTGAAGAAAGACAAATGGAATATCTGTAGAT 198
QY 808 attaacactcaaaaacaaagctgtgaattaacagcagtaaccagtgaaagcgaactaaaa 867
DB 199 GTTGACAGATAAGGATATATCTTAAATATTAATTTGCTGGAAGAAAAACACAGAA 258
QY 868 ttcaaatcttcgctgcgtcaaatgaagatcacgtaaacgttaactactgtactactat 927
DB 259 GAACCAAAAGAAAGACTACTATTAAGCAAACTTAATCATGACAGATGAAAAACACA 318
QY 928 aaagtgaagcgttaacatccatttgccttaataagcagatgttcttatatcacagac 987
DB 319 ACAGCGAATTCAGAGACATTTGAGACAGACACAGCAACACATACAGATATGAGAT 378
QY 988 ggaanaactatactctgtgagcttcaactccattcgaanaataacggaagataaaga 1047
DB 379 GCATTAAAGAAAGACAAATGAGAAATATACAGTAGAGCTTGACATTAAGGTTTACTTTA 438
QY 1048 gtaagtaagagtaataagacaaanaatggcaagaatttaagaagaatgcatcacttc 1107
DB 439 AATATTAATTTGCTGGAAGAAAAACACAGAAACCAAAAGAAAGAAAGTTACTATT 498
QY 1108 aagcttcgaagaatgagctgtagttactcaagtggttggaactatgttaacaaacacact 1167
DB 499 AAAGCAAACTTAATCTATGAGATGAGAAAA--ACAACAAACAGCAACAAATTCAAAGGAA 555

QY 1168 tctgtaaaacttgcagcaggtacttcgcgaactgcagacttaacttaacagtagttgat 1227
DB 556 TTGGAAGAAAGCAACACAGACATACAGATATGCTGACTTATTAGCAAAAAGAAATGCT 615
QY 1228 aagttgttagcaccctgaacactgaacagctcgaagcttaacttaacagatgttgaact 1287
DB 616 AATATACAGAGACCTGCAGATTAAGGTTTACTTTAAATTTAAATTTGCTGGAAGA 675
QY 1288 ggaanaa 1293
DB 676 GAAAAA 681

RESULT 11
US-08-795-475-4
Sequence 4, Application US/08795475
Patent No. 5965390.
GENERAL INFORMATION:
APPLICANT: Bjvick, Lars
APPLICANT: Sjastring, Ulf
TITLE OF INVENTION: PROTEIN I. AND HYBRID PROTEINS THEREOF
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentia Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,475
FILING DATE: 11-FEB-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 100084.40201
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1308 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Escherichia coli L392/PHDLG, DSM 7055
US-08-795-475-4

Query Match 1.2%; Score 45.2; DB 4; Length 1308;
Best Local Similarity 42.8%; Pred. No. 0.084;
Matches 285; Conservative 0; Mismatches 378; Indels 3; Gaps 1;

QY 628 gaagtaacagacgctgtgaagcagcgaatttagaanaagctaaagctgtgtgacaa 687
DB 19 GAAACACGAAACACACAGAACTGATTCAGAAAGAAAGTAACATCAAGCTAACCTA 78
QY 688 atcaatcaactactaccacaaagtaacagatgcttcaaaactgaactaacagaagtagcg 747
DB 79 ATCTTGCAAAATGGAAGCACACAACTGCAGATTCAAGAAACATTTGAAAAAGCAACA 138
QY 748 aaaaagcattgagatgcagatgaagctgcgcttaaccacaaagctgaagtgtaagtcg 807

```

Db 139 TCAGAGCTTATGCGTATGCAGATACCTTTGAGCAAGACATGAGCAATATCTAGAT 198
Oy 808 attaaactcaaaaagaagctgttgattaaacagcagtcagtgagcgaacactaaa 867
Db 199 GTTGCGATTAAGGTTATCTTAAATATTAATTTGCTGCCAAAAGAAAACACAGAA 258
Oy 868 ttacaacttcagctgcgcaatgagatacagtaaacgtaactatgtaactatcat 927
Db 259 GAACCAAAAAGAGAACTTACTATTAAGCAAACTTAATCTATCTAGATGAAAAACACA 318
Oy 928 aagtgagcagtaacatcattgcccctaatacagcagagatgttccttactacagac 987
Db 319 ACAGCGAAGATTCTAAAGCAATTGAGAGAGCAAGCAACGATACATATGCGAGAT 378
Oy 988 gaaaaaacatcactcagtgatgtcttcaactccttgaaaatactacgagatlaaagta 1047
Db 379 GCATTAAAGAGCAATGAGAAATACAGTACGACCTTCCAGATTAAGGTTACTTTA 438
Oy 1048 gtagttaaggtatlaaagcaaaaagcaagaattlaaagaagatgcatcattc 1107
Db 439 AATATTAAATTTGCTGGAAGAAAAGAAAACCCAGAGAACCAAGAAAGAAAGTTACTATT 498
Oy 1108 aagcttcgaatgagctgtgtagtactcaagtggttggaactaagtaacaaacacact 1167
Db 499 AAGCAAACTTATCTATCTATGCAATGGAATA--ACACAAACACAGCAATTCAAAAGACA 555
Oy 1168 tctgtaaaccttagcagcaggtacttcgacacatgacgatacttaacatagatattgat 1227
Db 556 TTGGAAGAAAGCAACAGCAAGCAATGAGATATAGCTGACTTAATACAAAAGAAATGGT 615
Oy 1228 aagtgtagtgaacctgaacctgaacagctggaacgttactatcacagatgttgaact 1287
Db 616 AATATACAGTACGACCTTCCAGATTAAGGTTACTTTAAATTTTGTCTGAAAA 675
Oy 1288 ggaana 1293
Db 676 GAAAA 681

```

RESULT 12
US-08-928-361B-2
Sequence 2, Application US/08928361B
Patent No. 6071518

GENERAL INFORMATION:
APPLICANT: PETERSEN, CAROLYN
TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
TITLE OF INVENTION: SPECIES INFECTIONS
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETERS, VERNY, JONES & BIRKA
STREET: 385 Sherman Avenue, Suite 6
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306-1840
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,361B
FILING DATE: 12-SEP-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/026,062
FILING DATE: 13-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: VERNY, HANA
REGISTRATION NUMBER: 30,518
REFERENCE/DOCKET NUMBER: 480,76-1(HV)

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-1677
TELEFAX: 650-324-1678
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5511 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-928-361B-2

```

Query Match 1.2% Score 45.2; DB 5; Length 5511;
Best Local Similarity 44.5%; Pred. No. 0.15;
Matches 179; Conservative 0; Mismatches 223; Indels 0; Gaps 0;

```

Oy 1126 gtagtactcaagtggttgaaactaagtaacaaacacacttcgttaactagcagca 1185
Db 808 GTAGATCTAAGATTATGCTCTTATTTGAGAACTCTTTGACAAAGTCAATAA 867
Oy 1186 gtagcttcgacacgagatacttaacagtagtataagttgtagcactgaa 1245
Db 868 TTGATATGCGAGTAAAGGTATACATTCATACATTAATGTGTGGAAGTGAACACACA 927
Oy 1246 actgttaacagctcagcttactatcaagatgttgaaacggaagacattcagta 1305
Db 928 ACACACACACACACACTCTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 987
Oy 1306 attgcatcactcctcgtgttctaactacttaagttaaagaagcgttagtaactggt 1365
Db 988 ACACACACACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 1047
Oy 1366 aacaaataaactcgtctcaataatgtaaaacactaactcgtgttaacaaatcagaact 1425
Db 1048 ACACACACACACACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 1107
Oy 1426 tagagtgtagtgcacgcaagcagcagcagcagcagcagcagcagcagcagcagcagc 1485
Db 1108 ACCACACACACACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 1167
Oy 1486 taggtgtgacaacttactatcgtgttctcttacaacaat 1527
Db 1168 ACACACACACACACACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 1209

```

RESULT 13
US-08-928-361B-1
Sequence 1, Application US/08928361B
Patent No. 6071518

GENERAL INFORMATION:
APPLICANT: PETERSEN, CAROLYN
TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
TITLE OF INVENTION: SPECIES INFECTIONS
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETERS, VERNY, JONES & BIRKA
STREET: 385 Sherman Avenue, Suite 6
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306-1340
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,361B
FILING DATE: 12-SEP-1997
CLASSIFICATION:

NAME/KEY: misc_feature
LOCATION: 13732..14305
OTHER INFORMATION: /function- "CDS on the
OTHER INFORMATION: complementary strand"
OTHER INFORMATION: /product- "orf1"
FEATURE:
NAME/KEY: terminator
LOCATION: 230..252
FEATURE:
NAME/KEY: promoter
LOCATION: 274..302
FEATURE:
NAME/KEY: RBS
LOCATION: 340..345
US-08-597-236-1

Query Match 1.28; Score 44.6; DB 2; Length 14602;
Best Local Similarity 47.3%; Pred. No. 0.3;
Matches 134; Conservative 0; Mismatches 149; Indels 0; Gaps 0:

QY 3037 gggtcagttacggttgcacggttccaaacattacattgaattcaggtacgttcca 3096
DB 2667 gggtcagttacggttgcacggttccaaacattacattgaattcaggtacgttcca 3096
QY 3097 aaccaaacatcactcttaagaagctgacggaactcattacttaattacattga 3156
DB 2727 CAGGCAACAGATTAATTAATCTTCTCTCAAGATTGCAAGCTGGTACCTATTGGCA 2786
QY 3157 aatgtaataaagaaataaacaatacaaatgttattccacaaggtgttaacactgac 3216
DB 2787 AATGACTTAATTAAGATTAATGCACTCAATTAATGATTAATGATTAATTAAGATGAA 2846
QY 3217 gagttactcaatgagttgacgttccaaagatttcaaacggtgactgacttcat 3276
DB 2847 AATGATTAATGAGTGAAGGCAAGCAAGTCTTAATGATTAATGATTAATGATTAATGAT 2906
QY 3217 agcaagttacattcaccaggtctgttgcactgacgaag 3319
DB 2907 ACTGCTTATTCAATTCTGTATGCTAAACTGCTCAG 2949

RESULT 15
US-08-746-682A-1
Sequence 1, Application US/08746682A
Patent No. 5786184
GENERAL INFORMATION:
APPLICANT: STINGELE, Francesca
APPLICANT: MOLETT, Beat
TITLE OF INVENTION: LACTIC BACTERIA PRODUCING
TITLE OF INVENTION: EXOPOLYSACCHARIDES
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americans
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/746,682A
FILING DATE: 14-NOV-1996
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/597,236
FILING DATE: 20-JUN-1995
APPLICATION NUMBER: EP 95201669.9
FILING DATE: 20-JUN-1995

ATTORNEY/AGENT INFORMATION:
NAME: Faucel A., Allan
REGISTRATION NUMBER: 30256
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14602 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 352..1803
OTHER INFORMATION: /product- "epsA"
FEATURE:
NAME/KEY: CDS
LOCATION: 1807..2535
OTHER INFORMATION: /product- "epsB"
FEATURE:
NAME/KEY: CDS
LOCATION: 2547..3239
OTHER INFORMATION: /product- "epsC"
FEATURE:
NAME/KEY: CDS
LOCATION: 3249..3995
OTHER INFORMATION: /product- "epsD"
FEATURE:
NAME/KEY: CDS
LOCATION: 4051..4731
OTHER INFORMATION: /product- "epsE"
FEATURE:
NAME/KEY: CDS
LOCATION: 4898..5854
OTHER INFORMATION: /product- "epsF"
FEATURE:
NAME/KEY: CDS
LOCATION: 6425..7540
OTHER INFORMATION: /product- "epsG"
FEATURE:
NAME/KEY: CDS
LOCATION: 7736..8212
OTHER INFORMATION: /product- "epsH"
FEATURE:
NAME/KEY: CDS
LOCATION: 8221..9192
OTHER INFORMATION: /product- "epsI"
FEATURE:
NAME/KEY: CDS
LOCATION: 9285..10364
OTHER INFORMATION: /product- "epsJ"
FEATURE:
NAME/KEY: CDS
LOCATION: 10392..11339
OTHER INFORMATION: /product- "epsK"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 11302..12222
OTHER INFORMATION: (eps K) on nucleotides 10392-11339
FEATURE:
NAME/KEY: CDS
LOCATION: 12233..13651
OTHER INFORMATION: /product- "epsM"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 13732..14305
OTHER INFORMATION: /function- "CDS on the
OTHER INFORMATION: complementary strand"
FEATURE:
NAME/KEY: terminator
LOCATION: 230..252
FEATURE:

